

JRC VOLTAGE CONTROLLED SAW OSCILLATORS (VCOSO)

NJR
NEWS

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JRC VCOSO

JRC Voltage Controlled SAW Oscillators

This newsletter talks about JRC's Voltage Controlled SAW Oscillators and features the ENVS011.

JRC Voltage Controlled SAW Oscillators Product Offering

Frequency (MHz)	Part Number	Mode	Package
622.08	ENVS007	VCOSO	14x9x2.5
2488.32	ENVS011	VCOSO	9.4x9.5x2.3
622.08/666.514	ENVS101	PLL+VCOSO	15x15x2.5

Features

- Supply Voltage: 3.3V
- Supply Current:
 - ENVS007 with 18mA
 - ENVS011 with 50mA
 - ENVS101 with 90mA
- Differential output and differential LV-PECL output
- Various package sizes as shown in the table above.

NOW Available !

Applications

- SONET / SDH

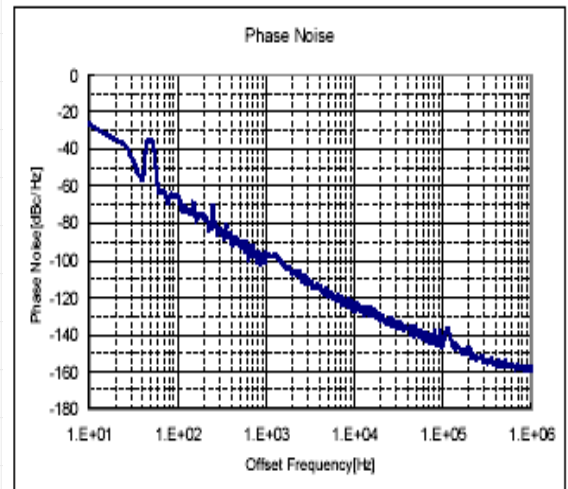
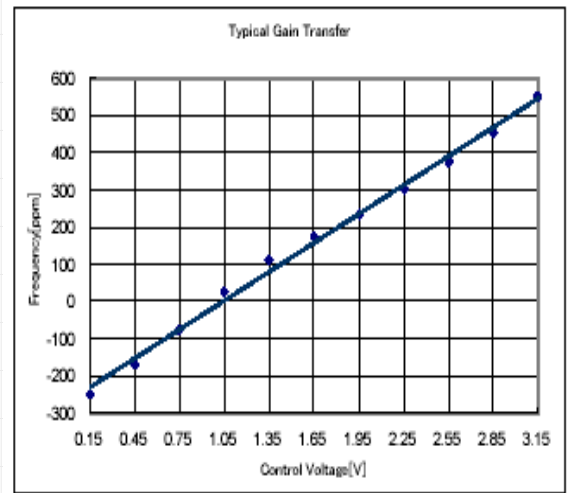
Electric Characteristic for ENVS011

Item	Minimum	Typical	Maximum	Unit
Supply Voltage(Vcc)	3.135	3.3	3.465	V
Control Voltage(Vc)	0.15		3.15	V
Supply Current		50	60	mA
Center Frequency(fo)		2488.32		MHz
Frequency Range	Vc=0.15V		fo-200	ppm
	Vc=3.15V	fo+450		ppm
Output Level(single ended)	-5	0		dBm
Frequency Stability,-30 to 85°C	-300		+50	ppm
Ageing Stability	-50		+50	ppm
Absolute Pull Range	±100			ppm
Spurious Suppression	15	20		dBc

Typical Single Side-Band Phase Noise(dBc/Hz)

Offset from Carrier	100Hz	1kHz	10kHz	100kHz
C/N[dBc/Hz]	-55	-85	-110	-135

ENVS011 Application Characteristics



JRC **NJR CORPORATION**
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